

Table 1 - Metal Loads from Selected Adits in the Upper Animas Basin

Mine	%Removal	\$ 1000's	High Flow (Pounds per day)					
			Al	Cd	Cu	Fe	Mn	Zn
Cement Creek								
<i>Gold King 7 level</i>			98.7	0.186	17.6	360	73.9	71.3
<i>Red & Bonita</i>			13.3	0.13	0.081	318	118	56.6
<i>American Tunnel</i>			8.6	0.004	0.011	215	74.8	29.2
<i>Mogul (2009)</i>			3.1	0.05	0.04	32	27.2	29.1
Silver Ledge	50%	300	25	0.09	0.6	222	33	15
Grand Mogul	0%	60	15	0.15	5.3	33	10	27
Anglo-Saxon	30%	60	0	0	0	15	10	2
Big Colorado	50%	300	1	0	0	3	3	0
Porcupine	30%	60	0	0	0	14	5	1
Lewis property	50%	60	0	0.01	0.4	2	0	1
Mineral Creek								
North Star	50%	300	0	0.02	0.1	6	16	4
Junction Mine	50%	300	13	0.07	2.2	126	3	14
Bandora Mine	30%	60	0	0.04	0.1	5	4	10
Upper Bonner	50%	300	1	0	0	1	1	1
Ferrocrite Mine	50%	300	2	0	0	31	5	1
Paradise	0%	60	28	0	0.1	246	20	2
Brooklyn Mine	30%	300	1	0.01	0.2	8	2	2
Little Dora	50%	300	1	0.33	0.9	5	653	48

Animas above Eureka

Vermillion Mine	50%	300	0	0.04	0.2	2	1	9
Columbus	50%	300	1	0.01	0.3	3	0	9
Lower Comet	0%	10	2	0	0.1	2	2	1
N side of Calif. Mtn.	30%	60	4	0.01	0	1	5	2
Sound Democrate	50%	60	0	0	0.1	0	4	1
Mountain Queen	50%	300	0	0	0.2	1	0	1
Bagley	30%	300	0	0.01	0	0	13	7
Senator	30%	300	0	0	0	21	7	0

Animas below Eureka

Royal Tiger	50%	300	5	0.04	0.8	0	3	7
Little Nation	30%	300	0	0	0	9	2	1

Grand Total Pre-2001 99 0.83 11.6 756 802 166**Total CC Increase (2009)** 123 0.33 16 911 290 184**Sum of Two Lines Above** 222 1.16 27.6 1667 1092 350

Average of High and Low Flows **175.8** **0.8275** **22** **1437** **743** **276**

in the Upper Animas Basin

Low Flow

Al	Cd	Cu	Fe	Mn	Zn
<u>60.1</u>	<u>0.162</u>	<u>15.4</u>	<u>224</u>	<u>86.1</u>	<u>60.3</u>
<u>13.5</u>	<u>0.136</u>	<u>0.021</u>	<u>356</u>	<u>129</u>	<u>61.9</u>
<u>7</u>	<u>0.003</u>	<u>0.008</u>	<u>192</u>	<u>66</u>	<u>26.3</u>
<u>2</u>	<u>0.034</u>	<u>0.017</u>	<u>21</u>	<u>19.1</u>	<u>21.1</u>
4	0.03	0	56	11	3
1	0.01	0.2	0	0	1
0	0.01	0	15	5	1
1	0	0	6	0	0
0	0	0	10	5	1
0	0.01	0.4	2	0	1

1	0.02	0.2	6	11	3
0	0	0.1	3	0	0
0	0.02	0	2	2	4
2	0.01	0	2	1	1
3	0.01	0	32	7	1
28	0	0.1	246	20	2
1	0.01	0.2	8	2	2
0	0	0	0	2	0

0	0.01	0.1	1	0	3
0	0.02	0.1	1	0	4
2	0	0	1	1	1
4	0.01	0	1	5	2
0	0	0	0	2	0
0	0	0.1	0	0	0
0	0.01	0	0	6	3
1	0	0	23	14	2

0	0	0.1	0	0	0
0	0	0	4	1	0
48	0.18	1.6	419	95	35
81.6	0.315	14.8	788	299	167
129.6	0.495	16.4	1207	394	202
